

Serial No. 10/675,987  
Amendment dated PROPOSED  
Reply to Office Action of February 27, 2006

Docket No. YHK-0121

### **REMARKS/ARGUMENTS**

Claims 1-4, 11, 12, 15, 18-22 and 25-27 are pending in this application. By this Amendment, claims 1, 2, 12, 15, 18, 19, 21 and 25 are amended for clarification purposes, and claims 16, 17 and 28 are cancelled without prejudice or disclaimer. Withdrawal of the rejections in view of the above amendments and the following remarks is respectfully requested.

Entry of the amended claims is proper under 37 C.F.R. §1.116 since the amendments: (1) place the application in condition for allowance (for the reasons discussed herein); (2) do not raise any new issues requiring further search and/or consideration (since the amendments amplify issues previously discussed throughout prosecution without incorporating additional subject matter); (3) satisfy a requirement of form asserted in the previous Office Action; and/or (4) place the application in better form for appeal (if necessary). Entry is thus requested.

#### **I. Allowable Subject Matter**

The Examiner is thanked for the indication that claim 27 is allowed, and that claim 4 would be allowable if rewritten in independent form.

#### **II. Informalities**

The Office Action objects to claims 1-4, 16-19, 21, 22 and 25-28 due to informalities. Claims 16, 17 and 28 are cancelled. It is respectfully submitted that the amendments to the remaining claims are responsive to the Examiner's comments, and thus the objection should be withdrawn.

**III. Rejections under 35 U.S.C. §102(b)**

The Office Action rejects claims 1-3, 11, 12, 21 and 22 under 35 U.S.C. §102(b) over Japanese Patent No. 2000063171 to Takenouchi et al. (hereinafter "Takenouchi"). The rejection is respectfully traversed.

Independent claim 1 recites, *inter alia*, an addition of silicon (Si), wherein less than 500 wt. ppm and greater than 150 wt.ppm of silicon is added to the main component to produce said protective film. Takenouchi neither discloses nor suggests at least such features, or the claimed combination of features.

Takenouchi discloses a magnesium oxide (MgO) material including a predetermined amount of carbon which allows for uniform deposition across a front face of a plasma display panel. A purity level must be maintained at 99.90%, with 30 ppm or less of carbon impurities and 150 ppm or less of silicon and aluminum impurities in the MgO material, in order to produce the desired deposition characteristics. Thus, any silicon present in the resulting film is an impurity component of the base MgO material, which is specifically selected to minimize or eliminate the presence of silicon in the deposited material. Takenouchi clearly discloses that a level of silicon must be minimized or eliminated to produce the desired characteristics, and neither discloses nor suggests any type of purposeful or measured addition of silicon to main component of MgO, as recited in independent claim 1. Further, Takenouchi discloses that the allowable presence of this silicon by-product of the base MgO material is 150 ppm or less.

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Thus, Takenouchi neither discloses nor suggests an addition of less than 500 wt.ppm and greater than 150 wt.ppm of silicon, as recited in independent claim 1.

Accordingly, it is respectfully submitted that independent claim 1 is not anticipated by Takenouchi, and thus the rejection of independent claim 1 under 35 U.S.C. §102(b) over Takenouchi should be withdrawn. Dependent claims 2, 3, 12, 21 and 22 are allowable at least for the reasons set forth above with respect to independent claim 1, from which they depend, as well as for their added features.

The Office Action rejects claims 15 and 28 under 35 U.S.C. §102(b) over U.S. Patent No. 6,242,864 to Nakahara et al. (hereinafter "Nakahara"). Claim 28 is cancelled. The rejection, in so far as it applies to claim 15, is respectfully traversed.

Independent claim 15 recites, *inter alia*, wherein greater than 150 wt.ppm and less than 500 wt.ppm of silicon is added to the main component to produce said protective film. Nakahara neither discloses nor suggests at least such features, nor the claimed combination of features.

Nakahara discloses a plasma display panel with a protective MgO film 18, which may include concentrations of silicon/silicon compound impurities in the range of 500 to 10,000 ppm for good quality, and 800 to 1,000 ppm for best quality. However, as with Takenouchi, these silicon or silicon compounds are present as impurities in the base MgO material, and Nakahara neither discloses nor suggests any type of purposeful or measured addition of silicon

as recited in independent claim 15. The range of greater than 150 wt. ppm and less than 500 wt. ppm of silicon recited in independent claim 15 falls outside of the allowable range for silicon/silicon compounds of 500 to 10,000 ppm, and preferably 800 to 1,000 ppm disclosed by Nakahara. Accordingly, it is respectfully submitted that independent claim 15 is not anticipated by Nakahara, and thus the rejection of independent claim 15 under 35 U.S.C. §102(b) over Nakahara should be withdrawn.

**IV. Rejection under 35 U.S.C. §103(a)**

The Office Action rejects claims 15-20, 25 and 26 under 35 U.S.C. §103(a) over Figures 1-4 of the present application in view of Takenouchi. Claims 16 and 17 are canceled. The rejection, in so far as it applies to the remaining claims, is respectfully traversed.

Independent claim 15 recites, *inter alia*, wherein greater than 150 wt.ppm and less than 500 wt.ppm of silicon is added to the main component to produce said protective film. As acknowledged by the Examiner in the remarks regarding independent claim 15, Figures 1-4 of the present application neither disclose nor suggest such features. Further, as set forth above, Takenouchi fails to overcome the deficiencies of Figures 1-4 of the present application.

Accordingly, it is respectfully submitted that independent claim 15 is allowable over the applied combination, and thus the rejection of independent claim 15 under 35 U.S.C. §103(a) over Figures 1-4 of the present application and Takenouchi should be withdrawn. Dependent

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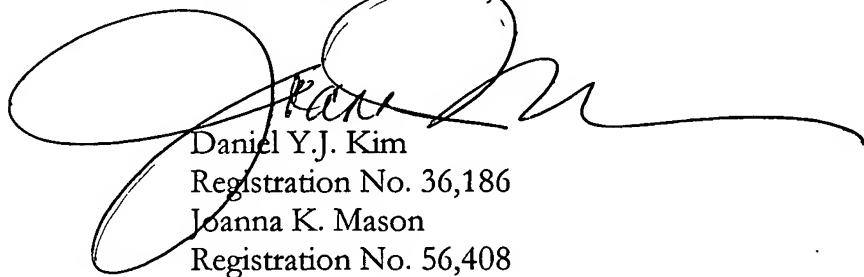
claims 18-20, 25 and 26 are allowable at least for the reasons set forth above with respect to independent claim 15, from which they depend, as well as for their added features.

**V. Conclusion**

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned, **JOANNA K. MASON**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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